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March 19, when delegates will be received and historical addresses will probably be delivered; two morning sessions will be devoted to the reading of scientific papers by members, correspondents and delegates; on the afternoon of the second day a microscopical exhibition will be given and the resources of the academy demonstrated; on the evening of that day a reception will be tendered by the president to members, guests and friends; and the proceedings will end with a banquet on the evening of March 21, the official birthday, of the academy.

The preparation of the proposed publications is progressing satisfactorily and the dignity and importance of the commemorative volume is assured. It is hoped that a united effort may be made to secure for the occasion a success commensurate with its importance in the history of the academy and in its relation to the advancement of science in America.

SCIENTIFIC NOTES AND NEWS

DR. FREDERIC A. LUCAS, director of the American Museum of Natural History, has been made a corresponding member of the Zoological Society of London.

DR. AUGUST WEISMANN, professor of zoology in the University of Freiburg, will retire in April.

DR. GEORGE B. SHATTUCK has retired from the active editorial management of the *Boston Medical and Surgical Journal* after a service of thirty-one years.

We learn from the *Journal* of the American Medical Association that Professor Theodor Ziehen, director of the psychiatric and neurologic clinic in Berlin, will resign his position at the end of the winter semester and discontinue all medical work, in order to devote himself exclusively to research in psychology. For this purpose, he will remove to Wiesbaden, where he will erect for himself a private psychological laboratory.

PROFESSOR ARMIN BALTZER, Berne, and Dr. Emmanuel de Margerie, Paris, have been elected foreign members and Professor Charles Depéret, Lyons, and Professor Arvid Gustaf

Högbom, Upsala, have been elected foreign correspondents of the Geological Society of London.

M. LECLAINCHE, professor in the veterinary school at Toulouse, has been elected a corresponding member of the Paris Academy of Sciences, in the section of agriculture.

At the ordinary scientific meeting of the London Chemical Society on December 21, 1911, it was announced that the council had awarded the Longstaff medal for 1912 to Dr. H. Brereton Baker, F.R.S.

At the dinner of the Western Society of Engineers, Chicago, on January 10, announcement was made of the award of the Octave Chanute Medal for 1910 in electrical engineering to Mr. H. B. Gear, general inspector of the Commonwealth Edison Company, Chicago, for his work on "devices for the distribution of electric light and power." Mr. C. P. Berg received the medal for mechanical engineering in the heat treatment of high-speed tools, and Mr. C. K. Mohler was awarded the medal in civil engineering for his studies of earth pressures.

THE Institution of Mining and Metallurgy of Great Britain has awarded gold medals as follows: Gold Medal of the Institution (two awards): (a) to Mr. E. P. Mathewson, M.Inst.M.M., general manager of the Anaconda Copper Company, Arizona, in recognition of his services in the advancement of metallurgy generally, and especially in regard to copper; (b) to Mr. Walter McDermott, M.Inst.M.M., in recognition of his services in the equipment of the Bessemer Laboratory of the Royal School of Mines and as the representative of the institution on the Board of Governors of the Imperial College of Science and Technology during the period of its establishment and organization; and to signalize his services in the advancement of metallurgical practise. The Consolidated Gold Fields of South Africa (Limited) Gold Medal to Mr. Walford R. Dowling, M.Inst.M.M., for his paper on "The Amalgamation of Gold in Banket Ore."

PROFESSOR H. W. RILEY, head of the de-

partment of farm mechanics of the College of Agriculture of Cornell University, was elected president of the American Association of Agricultural Engineers at the annual convention recently held at St. Paul, Minn.

At the meeting of the American Society of Bio-chemists, held in Baltimore, the following officers were elected: *president*, Dr. Archibald B. Macallum, University of Toronto; *secretary*, Dr. A. N. Richards, University of Pennsylvania; *treasurer*, Dr. Walter Jones, Johns Hopkins University; *councilors*, Drs. L. B. Mendel, Yale, and H. Gideon Wells, University of Chicago.

DR. EDWARD G. DEXTER, of Illinois, has been renominated by President Taft to be commissioner of education for Porto Rico.

MR. J. C. TH. UPHOF, of Amsterdam, author of "Die Pflanzengattungen," has been appointed gardener for the Botanical Garden at the Michigan Agricultural College. He will also do work in connection with the herbarium. He is expected to enter upon his duties in the latter part of February.

PROFESSOR THEODORE PFEFFER, of Breslau, has declined a call to the directorship of the Agricultural Experiment Station, Möckern, near Leipzig.

MR. N. C. NELSON, instructor in anthropology in the University of California, has been appointed assistant curator in the department of anthropology, American Museum of Natural History. He will assume his duties next June and will give especial attention to North American archeology. Mr. George Borup, who was in charge of the third supporting party of Admiral Peary in his last polar expedition, has been appointed assistant curator in the department of geology and invertebrate paleontology.

DR. WEBER has been appointed director of the imperial health office, Berlin, to succeed Professor Uhlenhuth, who is at present director of the hygienic institute at Strasburg.

DR. ERWIN ERHARDT, of the University of Munich, is visiting the United States to study methods of treating cancer.

DR. L. A. BAUER has returned to Washing-

ton after a nine months' trip of inspection of the magnetic work being conducted, under the auspices of the Carnegie Institution of Washington, on board the *Carnegie* in the Indian and Pacific oceans and by land expeditions in Australia and Asia. *En route* he also visited the various magnetic institutions in the Pacific Islands, New Zealand, Australia, India, Burma, Java, China and Japan, and observed the total solar eclipse of April 28 at Tau Island of the Manua group.

The Auk states that Mr. Roy C. Andrews, assistant curator of mammalogy in the American Museum of Natural History, sailed for Korea on December 13. He expects to spend about two months at the whaling stations there, for the purpose of studying and securing specimens of the California gray whale and humpbacked whale. He then plans a trip into the mountains of northern Korea, known as Chokaku San, where about four months will be spent in collecting mammals and birds, if possible in regions not hitherto visited by zoologists.

MR. WALTER GRANGER, associate curator of fossil mammals in the American Museum of Natural History, is abroad engaged in part upon researches among the fossil mammals of the English and French museums, especially the old world relatives of the four-toed horse.

At the third lecture in a series on biological topics being given before Trinity College Frederic S. Lee, Dalton professor of physiology, College of Physicians and Surgeons, New York, exhibited, for the first time in this country, cinematograph films representing phases of muscular action, such as the reaction of the perfused heart to various agents, ciliary and flagellate motions in *Trypanosoma*, etc.

CAPTAIN H. G. LYONS, F.R.S., late director of the Egyptian Survey, will give a course of lectures before the Royal Geographical Society on February 9, 13 and 16 on the North African Desert.

A PORTRAIT of the late Dr. John Ashhurst, Jr., has been presented to the College of Physicians, Philadelphia.

DR. JEAN BAPTISTE EDUARD BORNET, the algologist, member of the Paris Academy of Sciences, has died at the age of eighty-two years.

THE death is announced of William Thynne Lynn, former assistant at the Royal Observatory at Greenwich, at the age of seventy-six years.

DR. JAN. KOWALEZYK, astronomer in the observatory at Warsaw, has died at the age of seventy-eight years.

M. ARTHUR DE CLAPARÈDE, the geographer, has died at Geneva, at the age of fifty-nine years.

THE sixth triennial congress of the International Association for Testing Materials will be held in the Engineering Societies building, New York, beginning on September 3, 1912.

A JOINT meeting of the British Institution of Mining and Metallurgy and the Canadian Mining Institute will be held at Toronto on March 6, and the following days.

THE *Bulletin* of the American Mathematical society states that a new journal, entitled the *Vector* has been established at Warsaw. It will be devoted to mathematical and physical science in general and especially to questions of method and pedagogy.

Nature states that the council of the London School of Tropical Medicine has decided to establish a journal in connection with the school. Three parts are to appear each year, and part I. has just been issued. Sir Patrick Manson writes a foreword; original papers are contributed by Drs. Bayon, Daniels, Hutton, Leiper, Minett and Wise; and surveys of recent literature on tropical medicine and reviews of books complete the matter.

UNIVERSITY AND EDUCATIONAL NEWS

THE will of the late Mrs. Emily Howe Hitchcock provides that the Hitchcock mansion and the estate of forty-five acres, valued at \$50,000, shall go to Dartmouth College. To the college is also left Mr. Hitchcock's Di Cesuela collection of Cyprus antiquities. To the Mary Hitchcock Memorial Hospital, con-

nected with Dartmouth, is left an endowment fund of \$20,000, and to the Howe Library of Hanover, occupying the ancestral home of Mrs. Hitchcock, an endowment of \$50,000. To the Pine Park Association, a society formed to preserve the natural beauties of the town, is bequeathed a large tract of woodland adjoining the Vale of Tempe.

THE Marquise Arconati Visconti has given 500,000 francs to the faculties of science and arts of the University of Paris.

DURING commencement week, June 23 to 27, inclusive, the University of Michigan will celebrate the seventy-fifth anniversary of its founding.

CIRCULARS of information concerning the Kahn foundation for the foreign travel of American teachers have been issued by the trustees of the foundation. Two fellows will be appointed for one year beginning July 1, 1912, with a stipend of \$3,000 and an additional \$300 for the purchase of books, souvenirs, photographs, etc. The applications for appointment should be made on a formal blank which may be obtained from the secretary of the foundation, Sub-station 84, New York City, and should be filed on or before March 1, 1912. The present holders of the fellowships are Professor J. H. T. McPherson, of the University of Georgia, and Professor Francis Daniels, of Wabash College. They both sailed from this country during the summer and will have completed their year's travel by about August 1, 1912. They are both planning to make a complete trip around the world.

THE course on "Water Analysis and Water Supply" at the Rensselaer Polytechnic Institute has been expanded so as to allow of a preliminary course being given on "plankton" where special attention is devoted to those growths which produce taste and smell in reservoir water. Upon the completion of the above water course, each student is required to spend two weeks at work on local municipal slow sand filter beds and also on filters of mechanical type whereby he acquires a practical knowledge of the workings of full-